



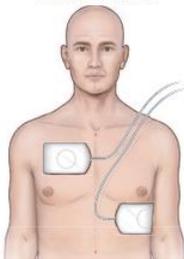
Montgomery County Fire and Rescue Service Division of Operations

Emergency Medical and Integrated Healthcare Services

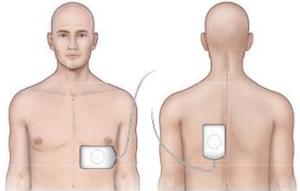
Office of Medical Oversight Clinical Practice Guideline

Title:	Vector Change (VC) Defibrillation in Shock-Refractory VF	Number:	2022 – 05
Date:	December 5, 2022		
Issued by:	Roger M. Stone MD, MS – MCFRS Medical Director		
Purpose:	To incorporate VC Defibrillation into MCFRS OHCA resuscitations		
Target Patient Population:	Patients who remain in ventricular fibrillation (VF) following three consecutive defibrillations using standard anterior-lateral position pad placement.		
Guideline:	<p><u>Background</u></p> <ul style="list-style-type: none"> Despite advances in defibrillation technology, shock-refractory VF is not uncommon during out-of-hospital cardiac arrest. New research concludes that changing the location of the defibrillation pads from the standard anterior-lateral position to an anterior-posterior position after three failed defibrillations improves survival to hospital discharge. <p><u>Procedure for patients in shock-refractory VF:</u></p> <ul style="list-style-type: none"> Deliver the first three defibrillations using standard anterior-lateral position pad placement at the normal intervals. During the subsequent CPR cycle and with minimal interruption in HPCPR, place a new (2nd) set of defibrillation pads in the anterior-posterior position and switch the therapy cable to the new set. Continue the resuscitation. <p><u>Documentation</u></p> <p>Vector change defibrillation is to be recorded as a procedure in eMeds. Defibrillation options under the “Procedures” tab include:</p> <ul style="list-style-type: none"> Defibrillation – Automated (AED) – Shock: for AED use only Defibrillation – Manual Shock: for LP15 anterior-lateral pad placement Defibrillation – Vector Change: for LP15 anterior-posterior pad placement during shock-refractory VF <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;"> <p>Procedure Name: <input type="text" value="defib"/></p> <ul style="list-style-type: none"> <input type="checkbox"/> Defibrillation - Automated (AED) - Shock <input type="checkbox"/> Defibrillation - Manual Shock <input type="checkbox"/> Defibrillation - Vector Change </div>		

Standard Defibrillation



VC Defibrillation



Questions may be directed to any assigned EMS Duty Officer.